

TABLES

Table 1
Objectives for Measurement Data
Glade Road Facility
Pasco, Washington

Variable	Units	Lower Limit of Detection	Accuracy ^a	Precision ^a	Completeness	Method No.	Bottle/Preservative	Maximum Holding Time ^b
<u>Soil</u>								
Nitrate/nitrite	mg/kg	0.05-5.0 ^b	±60%	±40%	95%	EPA 300.0	8-oz. glass / keep on ice (4°C)	14 days
Chlorinated Herbicides	mg/kg	1.0 ^b	±50%	±25%	95%	EPA 8151A	8-oz. glass / keep on ice (4°C)	28 days
<u>Groundwater</u>								
Nitrate/nitrite	mg/L	0.05	±25%	±25%	95%	EPA 300.0	One 1-L HDPE/H ₂ SO ₄ to pH <2, keep on ice (4°C)	28 days
Chlorinated Herbicides	µg/L	0.2-200	±25%	±25%	95%	EPA 8151A	One 1-Liter amber glass/keep on ice (4°C)	7 days/40 days
^a Accuracy and precision results may deviate from these criteria as identified by the analytical method reference on a substance specific basis. ^b Where two times are given, the first refers to the maximum time from sample collection to extraction, the second to the maximum time prior to extract analysis. ^c Dry-weight basis.								

Table 2

**Laboratory Deliverable Requirements
Glade Road Facility
Pasco, Washington**

The following items will be delivered to support data validation:

- A transmittal letter and case narrative which includes information about receipt of the samples, the analytical results, and any significant problems in any aspect of sample analysis (e.g., deviation from methodologies or quality control parameters)
- Sample analytical results:
 - Soil results in $\mu\text{g/kg}$ or mg/kg dry-weight
 - Method detection limit for undetected values reported for each analyte on a sample-by-sample basis
 - Date of sample preparation/extraction
 - Date of sample analysis
- Method blank results, including the samples associated with each blank
- Surrogate recovery results, reported as percent recoveries, including actual spike levels
- Duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) results and matrix spike results, reported as percent recoveries, including actual spike levels
- Copies of signed chain-of-custodies

Table 3

**Data Validation of Analytical Results
Glade Road Facility
Pasco, Washington**

The following items will be reviewed for data validation:

- Holding times
- Method blank results
- Surrogate recovery results
- Field duplicate results
- Laboratory duplicate results
- Matrix spike/matrix spike duplicate (MS/MSD) results
- Matrix spike results
- Completeness
- Reported detection limits for analyses
- Laboratory control sample results
- Copies of signed chain-of-custodies

Table 4
Field Equipment and Supplies
Glade Road Facility
Pasco, Washington

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Forms/Documentation
<ul style="list-style-type: none"> • Field logbooks • Log of excavation • Field sampling data sheet • Chain of custody form • Custody seal • Project photo log • Drum labels • Health and Safety Plan (HASP) • Field Sampling and Analysis Plan (SAP)
Tools
<ul style="list-style-type: none"> • Fiberglass tape with stainless-steel weight • Tape measure calibrated to 0.1 inch • Decontamination brushes • Flashlight • Watch • Tool kit • Small sledge hammer • Shovel
Soil Sampling
<ul style="list-style-type: none"> • Stainless steel spoons • Stainless steel bowls • Sample jars and labels • Photoionization detector • Water • Hexane • Liquinox • Distilled Water
Health and Safety Equipment
<ul style="list-style-type: none"> • Fire extinguisher • Half-face respirators • Organic vapor/acid gas cartridges with pre-dust filters • First aid kits • Safety glasses • Eyewash • Ear plugs • Tyvek® • Gloves-vinyl, nitrile, and neoprene • Duct tape

Table 4
Field Equipment and Supplies
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Miscellaneous Equipment
<ul style="list-style-type: none"> • Spray paint, pencils, pens, labels • Waterproof markers • Paint pens for drums • Water jugs and sprayers • Bubble wrap and tape for shipping • Cameras and film • Resealable plastic bags • Paper towels • Aluminum foil • Visqueen sheets • Buckets • Squirt bottle (wash) • Brunton compass • Plastic funnel • Cotton gloves • Nalgene wash bottles • Reagent bottles • Coolers (sample shipping) • Scrub brushes • Plastic tubs • Ice, in leak-proof bags • Drinking water • Large-scale site map